

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12627

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61K31/495 A61K9/20 A61K31/135

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | WO 98 41194 A (BERWAER MONIQUE ;BOUQUELLE ANNE (BE); DELEERS MICHEL (BE); FANARA) 24 September 1998 (1998-09-24) cited in the application claims 1-10 | 2 |
| Y | page 13; example 14 | 1,3-48 |
| Y | US 6 171 618 B1 (JOHNSON BARBARA A ET AL) 9 January 2001 (2001-01-09) cited in the application column 17; example 2 | 1-48 |
| Y | US 6 469 009 B1 (VAN DE VENNE HERMAN ET AL) 22 October 2002 (2002-10-22) cited in the application column 5, line 46-62 claims 1-4,13 | 1-48 |
| | --- -/-- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

2 March 2004

Date of mailing of the international search report

11/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Young, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12627

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | WO 99 32125 A (SCHERING CORP ;DANZIG MELVYN R (US); JENSEN PEDER K (US); MEDEIROS) 1 July 1999 (1999-07-01) page 9, line 25-34 claims 1-12 | 1-48 |
| A | WO 98 30208 A (ABBOTT LAB) 16 July 1998 (1998-07-16) page 7, line 4-15 claims 1-3 | 1-48 |

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 03/12627

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; It is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1 and 3-48 (part)

A tablet comprising at least two distinct segments, one segment of which comprises as active ingredient predominantly efeterizine and a second segment of which comprises as active ingredient predominantly pseudoephedrine, said segments being composed and formed in such a way that the resulting tablet is substantially free of impurities formed by reaction of efetirizine with pseudoephedrine, and with the proviso that the tablet comprises less than 5% by weight, relative to the total weight of the pseudoephedrine segment, of an alkalinizing agent.

2. Claims: 2 and 3-48 (part)

A tablet comprising at least two distinct segments, one segment of which comprises as active ingredient predominantly efeterizine and a second segment of which comprises as active ingredient predominantly pseudoephedrine, said segments being composed and formed in such a way that the pharmacokinetic profiles of the efetirizine and pseudoephedrine are substantially the same as in a dosage form containing each as sole active ingredient in the same amount.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/12627

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| WO 9841194 | A | 24-09-1998 | BE 1011045 A3 | 06-04-1999 |
| | | | AU 736052 B2 | 26-07-2001 |
| | | | AU 6387398 A | 12-10-1998 |
| | | | WO 9841194 A1 | 24-09-1998 |
| | | | BR 9808239 A | 16-05-2000 |
| | | | CN 1126536 B | 05-11-2003 |
| | | | EP 1007005 A1 | 14-06-2000 |
| | | | ID 22980 A | 23-12-1999 |
| | | | JP 2001524950 T | 04-12-2001 |
| | | | NZ 337345 A | 28-04-2000 |
| | | | PL 335832 A1 | 22-05-2000 |
| | | | RU 2179017 C2 | 10-02-2002 |
| | | | US 2002110596 A1 | 15-08-2002 |
| | | | | |
| US 6171618 | B1 | 09-01-2001 | US 2002012700 A1 | 31-01-2002 |
| | | | CA 2206233 A1 | 29-11-1997 |
| | | | EP 0811374 A1 | 10-12-1997 |
| | | | JP 3174285 B2 | 11-06-2001 |
| | | | JP 10045596 A | 17-02-1998 |
| US 6469009 | B1 | 22-10-2002 | AU 723364 B2 | 24-08-2000 |
| | | | AU 1774097 A | 16-10-1997 |
| | | | BR 9701686 A | 10-11-1998 |
| | | | GB 2311940 A , B | 15-10-1997 |
| | | | NZ 314521 A | 29-09-1999 |
| | | | US 2001020023 A1 | 06-09-2001 |
| WO 9932125 | A | 01-07-1999 | AU 758771 B2 | 27-03-2003 |
| | | | AU 1907199 A | 12-07-1999 |
| | | | BR 9814417 A | 10-10-2000 |
| | | | CA 2315721 A1 | 01-07-1999 |
| | | | CN 1283115 T | 07-02-2001 |
| | | | EP 1041990 A1 | 11-10-2000 |
| | | | HU 0101369 A2 | 28-03-2002 |
| | | | ID 26390 A | 21-12-2000 |
| | | | JP 2001526232 T | 18-12-2001 |
| | | | NO 20003288 A | 22-08-2000 |
| | | | PL 341343 A1 | 09-04-2001 |
| | | | SK 8972000 A3 | 12-02-2001 |
| | | | WO 9932125 A1 | 01-07-1999 |
| | | | ZA 9811731 A | 21-06-1999 |
| | | | | |
| | | | | |
| WO 9830208 | A | 16-07-1998 | AU 5609998 A | 03-08-1998 |
| | | | CA 2277220 A1 | 16-07-1998 |
| | | | EP 0951279 A1 | 27-10-1999 |
| | | | JP 2001508440 T | 26-06-2001 |
| | | | WO 9830208 A1 | 16-07-1998 |
| | | | US 6033685 A | 07-03-2000 |
| | | | ZA 9800080 A | 08-07-1998 |